



PATENT *IFw*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Maurice Cohen, *et al.*

Serial No.: 10/763,992

Filed: January 22, 2004

For: REAGENTS AND METHODS  
USEFUL FOR DETECTING  
DISEASES OF THE PROSTATE

Examiner: (not assigned)

Group Art Unit: 1642

Case No.: 5967.US.C1

CERTIFICATE OF MAILING (37 CFR  
1.8 (a))

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Date of Deposit: October 29, 2004

*Kathleen Boettcher* 10/29/04  
Kathleen Boettcher Date

TRANSMITTAL LETTER

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed herewith is an Information Disclosure Statement for Maurice Cohen, *et al.*, for REAGENTS AND METHODS USEFUL FOR DETECTING DISEASES OF THE PROSTATE, the specification of which was filed on January 22, 2004, and received Serial No. 10/763,992.

Also enclosed are: Form PTO 1449 (in duplicate)  
Return-receipt postcard

The Commissioner is hereby authorized to charge any additional Filing Fees required under 37 CFR 1.16, as well as any patent application processing fees under 37 CFR 1.17 associated with this communication for which full payment has not been tendered, to Deposit Account No. 01-0025. A duplicate copy of this sheet is enclosed.

Respectfully submitted,  
Maurice Cohen, *et al.*

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PATENT

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INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits under 37 CFR § 1.97(b).

Applicants submit herewith Form PTO 1449 listing the references cited in this Information Disclosure Statement. Applicants respectfully request that the Examiner (1) initial each reference listed on the enclosed Form PTO 1449 indicating that the Examiner has considered and made those references of record in this application and (2) return a copy of the initialed Form PTO 1449 to Applicants. Copies of the cited references have been previously submitted in U.S. Patent Application Serial No. 09/948,887, filed October 15, 1999. The aforementioned earlier application is relied on for an earlier, patent application filing date under 35 U.S.C. 120.

No charge is required for the submission of this Information Disclosure Statement under 37 C.F.R. § 1.97 (b). The Commissioner is hereby authorized to charge any additional filing fees required under 37 C.F.R. § 1.17 concerning this transmission, or to credit any overpayment to Deposit Account No. 01-0025.

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Respectfully submitted,  
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## Form PTO - 1449 (Modified)



DATE: October 29, 2004 SHEET 1 of 3

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
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ATTY. DOCKET NO.

5967.US.C1

SERIAL NO.

APPLICANT

Maurice Cohen, *et al.*

FILING DATE

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GROUP

1642

(37 CFR 1.98 (b))

## U.S. PATENT DOCUMENTS

EXAMINE R INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A1	4	6	8	3	1	9	5	7/28/87	Mullins, <i>et al.</i>			
	A2	4	6	8	3	2	0	2	7/28/87	Mullins, <i>et al.</i>			
	A3	5	3	2	2	7	7	0	6/21/94	Gelfand, <i>et al.</i>			
	A4	5	1	8	5	4	4	4	2/9/93	Summerton, <i>et al.</i>			
	A5	5	0	3	4	5	0	6	7/23/91	Summerton, <i>et al.</i>			
	A6	5	1	4	2	0	4	7	8/25/92	Summerton, <i>et al.</i>			
	A7	5	5	1	6	6	6	3	5/14/96	Backman, <i>et al.</i>			
	A8	5	2	9	0	9	2	5	3/1/94	Fino			
	A9	5	9	1	9	6	3	8	07-1999	Russell, <i>et al.</i>			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER							PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION	
	B1	0	3	2	0	3	0	8	14.06.89	EP			YES	NO
	B2	0	4	3	9	1	8	2	31.07.91	EP				
	B3	0	4	5	4	6	1	0	30.10.91	EP				
	B4	0	6	7	9	7	1	6	02.1995	EP				
	B4	0	6	8	4	3	1	5	29.11.95	EP				
	B5	9	3	2	2	4	6	1	29.04.93	WO				
	B6	9	2	2	0	7	0	2	26.11.92	WO				
	B7	9	2	1	0	5	0	5	25.06.92	WO				
	B8	9	2	1	1	3	8	8	09.07.92	WO				
	B9	8	4	0	3	5	6	4	09.13.94	WO				
	B10	0	6	5	5	4	9	8	13.05.95	EP				
	B11	9	6	2	3	0	7	9	01.08.96	WO				
	B12	9	6	2	1	0	4	2	11.07.96	WO				
	B13	9	5	2	8	4	9	8	26.10.95	WO				
	B14	9	5	2	0	6	8	1	03.08.95	WO				

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	C1	Athauda, <i>et al.</i> , "Entrapment and Inhibition of Human Immunodeficiency Virus Proteinase by $\alpha_2$ -Macroglobulin and Structural Changes in the Inhibitor", <i>Journal of Biochemistry</i> , 113:742-746 (1993)
	C2	Braxton, S., <i>et al.</i> , "Incorporation of a Stabilizing CA <sup>2+</sup> -Binding Loop into Subtilisin BPN", <i>Biochemistry</i> , 31:7796-7801 (1992)

EXAMINER

DATE CONSIDERED

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DOCUMENT NUMBER	PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

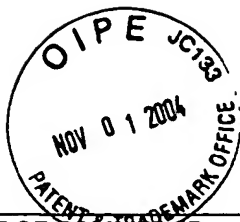
C3	Compton, J., "Nucleic acid sequence-based amplification", <i>Nature</i> , 350:91-92 (1991)
C4	Cooney, M., <i>et al.</i> , "Site-Specific Oligonucleotide Binding Represses Transcription of the Human C-myc Gene in Vitro", <i>Science</i> , 241:456-459 (1988)
C5	Dervan, B., <i>et al.</i> , "Second Structural Motif for Recognition of DNA by Oligonucleotide-Directed Triple-Helix Formation", <i>Science</i> , 251:1360-1366 (1991)
C6	Guatelli, J. C., <i>et al.</i> , "Isothermal, <i>In vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication", <i>PNAS</i> , 87:1874-1878 (1990)
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C10	Hillier, <i>et al.</i> , Ac. No. HS660266, January 1996, XP002053786
C11	Hillier, <i>et al.</i> , EMBL N31660 (1995)
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C14	Jacobs, <i>et al.</i> , "Clinical Use of Tumor Markers in Oncology", <i>Curr. Prob. Cancer</i> , 299-350 (1991)
C15	Lee, J. S., <i>et al.</i> , "Complexes formed by (pyrimidine) <sub>n</sub> (purine) <sub>n</sub> DNAs on lowering the pH are three-stranded", <i>Nucleic Acids Research</i> , 6(9):3073-3091 (1979)
C16	Marshall, R. L., <i>et al.</i> , "Detection of HCV RNA by the Asymmetric Gap Ligase Chain Reaction", <i>PCR Methods and Applications</i> , 4:80-84 (1994)
C17	Matsubara, <i>et al.</i> , AC. No. T25991, October 1996, XP002053788
C18	Okano, H., <i>et al.</i> , "Myelin Basic Protein Gene and the Function of Antisense RNA in its Repression in Myelin-Deficient Mutant Mouse", <i>Journ of Neurochemistry</i> , 56:560-567 (1991)
C19	Pantel, <i>et al.</i> , "Methods for Detection of Micrometastatic Carcinoma Cells in Bone Marrow, Blood and Lymph Nodes", <i>Onkologie</i> , 18:394-401 (1995)
C20	Schwartz, M. K., "Cancer Markers", <i>Principles &amp; Practice of Oncology</i> , 1(4 <sup>th</sup> Edition):531-542 (1993)
C21	Thuong, N. T., <i>et al.</i> , "Solid Phase Synthesis of Oligo-a- and Oligo-b-Deoxynucleotides Covalently Linked to an Acridine", <i>Tetrahedron Letters</i> , 29(46):5905-5908 (1988)

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							YES NO

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	C22	Walker, G. T., <i>et al.</i> , "Strand displacement amplification (SDA) and transient-state fluorescence polarization detection of Mycobacterium tuberculosis DNA", <i>Clinical Chemistry</i> , 42:9-13 (1996)
	C23	Waye, <i>et al.</i> , Ac. No. HS363118, May 1995, XP002053787
	C24	Wilson, I., <i>et al.</i> , "The Structure of an Antigenic Determinant in a Protein", <i>Cell</i> , 37:767-778 (1984)
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	C26	Principles of Biochemistry, 2 <sup>nd</sup> Ed., Worth Publishers, NY pg. 335 & 343 (1993)

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